Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/23/2021 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125442	0	3.34	125472	3.39
Blue	F	SSC	125000	124573	-1	4.48	125421	4.44
Blue	E	FITC	14203	13742	-4	3.56	302	15.71
Blue	D	PE	25703	25622	-1	3.33	558	11.09
Blue	B	PerCP-Cy5-5	42104	40961	-3	3.91	915	15.35
Blue	A	PE-Cy7	34646	34505	-1	5.01	490	30.75
Red	C	APC	49824	49624	-1	3.33	1515	11.38
Red	A	APC-Cy7	39773	39188	-2	3.31	728	12.07
Violet	B	V450	7447	7113	-5	4.21	401	12.72
Violet	A	V500	31193	30043	-4	4.01	685	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22102	3.22	560	4	N/A	N/A	Pass
Blue	F	SSC	54548	3.53	521	9	N/A	N/A	Pass
Blue	E	FITC	55	55.60	489	3	0.0399	196	Pass
Blue	D	PE	110	39.41	492	7	0.3534	275	Pass
Blue	B	PerCP-Cy5-5	174	36.77	582	5	0.0175	24	Pass
Blue	A	PE-Cy7	111	64.86	628	8	0.0197	0	Pass
Red	C	APC	353	24.38	570	3	0.0295	178	Pass
Red	A	APC-Cy7	202	25.14	547	3	0.0061	763	Pass
Violet	B	V450	89	40.73	453	4	0.0466	1518	Pass
Violet	A	V500	121	28.93	471	4	0.0252	664	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.38	-32.06	0.98
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.51	15.99 - 23.99	N/A	N/A	30.34	30.74	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9987

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments